

**Work Order ID 59756**

Thursday, June 10, 2010 2:43:40 PM



Page 1

Item ID: D076-612-015

Revision ID:

Item Name: Cargo Mirror Assembly

Start Date: 6/10/2010 Start Qty: 1.00

Required Date: 6/25/2010 Req'd Qty: 1.00

Reference:

Approvals: Process Plan:  Date: 6-6-10

QC: \_\_\_\_\_ Date: \_\_\_\_\_

Accept



Setup Start



Stop



Cust Item ID:

Customer:

Run Start



Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

Draw Nbr

Revision Nbr

DSI9304

Rev A

100



DOCUMENT CONTROL

DC

Document Control

Memo

Photocopy bluefile and create labels per PPP D076-612-015 CHG002

0.00

0.00

6.6.13

110



Pick Kit

Packaging

Packaging

Memo

0.00

0.00

6.6.13 C

120



QC4- 100% Inspect kits for completeness

QC

Quality Control

Memo

0.00

0.00

6.6.13

6.6.13 C

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

**Work Order ID 59756**

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Item ID: D076-612-015

Accept



Setup Start



Revision ID:

Item Name: Cargo Mirror Assembly

Stop



Start Date: 6/10/2010 Start Qty: 1.00



Cust Item ID:

Required Date: 6/25/2010 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_

Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



QC: \_\_\_\_\_ Date: \_\_\_\_\_

SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop

Sequence ID/  
Work Center ID

130



Packaging

Operation  
Description

Packaging

Memo

Identify and pack for shipping as per PPP D076-612-015

Location: \_\_\_\_\_

PPP Rev: CSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

0.00

10-7 13

140



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

  
 10-7-13

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
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NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Picklist Print

Thursday, June 10, 2010 2:43:45 PM

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Work Order ID: 59756



Parent Item: D076-612-015



Parent Item Name: Cargo Mirror Assembly

Start Date: 6/10/2010

Required Date: 6/25/2010

Comments: IPP Rev:A □ 05.05.12 □ New issue □ KJ/JLM

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2012-117 		Manufactured	No			110	Each	32.0000	3	3			

Clevis

## Location

WA	Loc Qty	Loc Code
52498	32	52998 20
55729	2	55729 10
	30	

D2261

Manufactured

No

## Location

ST228	Loc Qty	Loc Code
57266	1	57266
	1	

Mirror Arm - Long S76

D2262

Manufactured

No

## Location

ST228	Loc Qty	Loc Code
57266	1	57266
	1	

Mirror Arm - Short S76

D2263-1

Manufactured

No

## Location

MEZZ	Loc Qty	Loc Code
39695	4	39695
51565	1	
	3	

Clamp

## Location

Mezz	Loc Qty	Loc Code
16733	80	16733

6/14/13

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Thursday, June 10, 2010 2:43:45 PM

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Work Order ID: 59756



Parent Item: D076-612-015



Parent Item Name: Cargo Mirror Assembly

Start Date: 6/10/2010

Required Date: 6/25/2010

Comments: IPP Rev:A□05.05.12□New issue□KJ/JLM

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D2263-3

Manufactured

No

110

Each

183.0000

2

2

Castings

Location	Loc Qty	Loc Code
----------	---------	----------

MEZZ

183

15445

183

D2264

Manufactured

No

110

Each

50.0000

3

15440

13

Cushion

Location	Loc Qty	Loc Code
----------	---------	----------

ST228

50

54727

50

D2271

Manufactured

No

110

Each

2.0000

3

54727

13

"L" Bracket Assembly

Location	Loc Qty	Loc Code
----------	---------	----------

ST010

2

56851

2

D2274

Manufactured

No

110

Each

639.0000

2

5685120

2

Radius Block

Location	Loc Qty	Loc Code
----------	---------	----------

ST010

639

57714

146

57912

273

59108

220

57902

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Work Order ID: 59756



Parent Item: D076-612-015



Parent Item Name: Cargo Mirror Assembly

Start Date: 6/10/2010

Required Date: 6/25/2010

Comments: IPP Rev:A□05.05.12□New issue□KJ/JLM

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch.	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2856-100-250	Measured * 123 Sides/13	Manufactured	No	02856-400		110	Each	0.0000	2	2			

ABRASION STRIP

D3439-101

Mirror Assembly 8"

AN3-11A

Bolt

AN4-5A

Bolt

AN960JD10

Washer

AN960JD416

Washer

Manufactured

No

Purchased

No

Purchased</p

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Picklist Print

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Work Order ID: 59756



Parent Item: D076-612-015



Parent Item Name: Cargo Mirror Assembly

Start Date: 6/10/2010

Required Date: 6/25/2010

Comments: IPP Rev:A □ 05.05.12 □ New issue □ KJ/JLM

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

MS21042L3		Purchased	No		110	Each	3,282.000	6	6				
-----------	--	-----------	----	--	-----	------	-----------	---	---	--	--	--	--



Nut

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

ST300	3282	
113537	18	
113644	3	
114523	761	
114718	500	
114784	2000	

m114523

MS21042L4		Purchased	No		110	Each	3,820.000	3	3			
-----------	--	-----------	----	--	-----	------	-----------	---	---	--	--	--



Nut

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

ST139	2	
111827	2	
ST300	3818	
113422	68	
114523	742	
114718	1000	
114784	2000	
9063	8	

m114718

MS27039-1-14		Purchased	No		110	Each	147.0000	3	3			
--------------	--	-----------	----	--	-----	------	----------	---	---	--	--	--



Screw

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

ST292	147	
112312	100	
15924	47	

15924

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Picklist Print

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Work Order ID: 59756



Parent Item: D076-612-015



Parent Item Name: Cargo Mirror Assembly

Start Date: 6/10/2010

Required Date: 6/25/2010

Comments: IPP Rev:A □ 05.05.12 □ New issue □ KJ/JLM

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
NAS1738B-4-2 		Purchased	No			110	Each	32.0000	.9...	9			

Blind Rivet

## Location

ST278 32

112082 32

110 Each 135.0000

M112082

AN4-10A

Purchased

No

## Location

ST356 135

113422 35

114523 100

M113422

Bolt

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector		
			Initial Chief Eng	Action Description Chief Eng	Sign & Date					

NOTE: Date & initial all entries

**DART**

DESIGN <b>CP</b>	DRAWN BY <b>CP</b>	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. <b>DSI 9304</b>	REV. C SHEET 1 OF 2
DATE <b>05.06.13</b>		TITLE <b>MIRROR SUBSTITUTION</b>	SCALE <b>NTS</b>
A	05.05.27	NEW ISSUE	
B	05.06.03	ADD OPTIONAL ANTI-SLIP HARDWARE	
C	05.06.13	NOW PERMANENT KIT CHANGE	

## **DART SERVICE INSTRUCTION**

TO AMEND INSTALLATION INSTRUCTIONS IIN-D076-612 REV. A

REF. CANADIAN STC: SH94-38 ISSUE 2

REF. FAA STC: SR00298NY

For the D076-612-015 CHG 002 Cargo Mirror kit, the D2011-103 Mirror referenced in IIN-D076-612 rev.A has been replaced with the D3439-101 Mirror Assembly. The attaching hardware for this mirror has been changed to reduce the chance of slippage in flight. The mirror should be installed per the figure on page 2 of this document. The parts list for the D076-612-015 Cargo Mirror kit is given below.

Qty <b>-015</b>	Part Number	Description
X	D076-612-015	<b>CARGO MIRROR, 8"</b>
1	D3439-101	Mirror Assembly(8")
1	*D3015-3	Locknut
1	*5/16WC	Washer
3	D2012-117	Clevis
1	D2261	Arm Assembly
1	D2262	Arm Assembly
2	D2263-1	Clamp
2	D2263-3	Clamp
3	D2264	Cushion
3	D2271	Bracket
2	D2274	Radius Block
2	D2856-100-250	Abrasion Strips
3	AN3-11A	Bolt
2	AN4-5A	Bolt
1	AN4-10A	Bolt
9	AN960JD10	Washer
10	AN960JD416	Washer
6	MS21042L3	Nut (or MS21042-3)
3	MS21042L4	Nut (or MS21042-4)
3	MS27039-1-14	Screw
9	NAS1738B-4-2	Blind Rivet

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

**APPROVED**  
*[Signature]*  
BY: **D. SHEPHERD (DE # 02)**

DATE: **05.06.13**  
CERT. NO.: **SH94-38**  
ISSUE NO.: **2**

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**Work Order ID 59756**

Thursday, June 10, 2010 2:43:40 PM



Page 1

Item ID: D076-612-015

Accept



Setup Start



Revision ID:

Item Name: Cargo Mirror Assembly

Stop



Start Date: 6/10/2010 Start Qty: 1.00



Cust Item ID:

Required Date: 6/25/2010 Req'd Qty: 1.00



Customer:

Reference:

Approvals:

Process Plan:



Date: 10-6-10

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan

Accept

Reject

Reject

Inspec.

Qty

Number

Stamp

Draw Nbr

Revision Nbr

DSI9304

Rev A

100

0.00



DOCUMENT CONTROL

DC

Memo

0.00

10/7/13

Document Control

Photocopy bluefile and create labels per PPP D076-612-015 CHG002

110

Pick Kit

0.00



REFERENCE ONLY

10/7/13 G

Packaging

Memo

0.00

Packaging

120

QC4- 100% Inspect kits for completeness

0.00



Memo

0.00

Quality Control